

JBoss

Jetty in JBoss

The following are required to build and run Jetty in JBoss:

1. jdk1.4 (for JBoss4.0.5) or jdk1.5 (for JBoss4.2.x)
2. Maven 2.0.4 or later
3. A JBoss installation see Note
4. JBoss-Jetty module in Jetty 6 (this is in the Jetty-src, under contrib/jboss)

Note: The Jetty-JBoss module is not buildable with versions of JBoss prior to 4.0.5. For **runtime** compatibility, please see the [Compatibility Matrix](#) below. Some JBoss 4.0.x versions require jsp-2.0 to be used, as the JBoss web console application appears to be incompatible with jsp-2.1.

Build instructions

After checking out the Jetty JBoss module, go to the command line and `cd` to its home directory. Run:

```
mvn -P[ jdk1.4 | jdk1.5 ]
-Djboss.home=path-to-jboss
-Djboss.version=jboss-version clean install
```

where:

- **path-to-jboss** is the location of your JBoss installation and **jboss-version** is the version number of your JBoss installation.
- building with profile **jdk1.4** will include **jsp-2.0** in the sar and building with profile **jdk1.5** will include **jsp-2.1** instead.

If you want to save yourself some typing, an alternate way to build it is to edit the `pom.xml`. Edit the `<properties>` section and fill in the values for the `<jboss.home>` and `<jboss.version>` properties. Once these are set in the `pom.xml`, you can do the build with:

```
mvn clean install
```

Installation instructions

1. delete the Tomcat files. In JBoss 4.0.x, delete `$JBOSS-HOME/server/default/deploy/jbossweb-tomcat55.sar`; in JBoss 4.2.x, delete `$JBOSS-HOME/server/default/deploy/jboss-web.deployer` (or from whichever deployment directory you are using).
2. ensure you have built the Jetty JBoss module in `$jetty.home/extras/jboss+`
3. copy the `$jetty.home/extras/jboss/target/jetty-JETTY-VERSION-jboss-JBOSS-VERSION.sar+` to your JBoss deploy directory (where **JETTY-VERSION** is the version of jetty you are using and **JBOSS**

-**VERSION** is the version of JBoss).

+ Note: The paths given are for Jetty6. In Jetty7, the JBoss module folder has been moved to `$jetty.home/modules/contrib/jetty-jboss`

You will find that the JBoss web-console refers to a Tomcat servlet, so you might want to comment that out in order to make it usable. You will need to edit the `$JBOSS-HOME/server/default/deploy/management/console-mgr.sar/web-console.war/WEB-INF/web.xml` file and comment out this section:

```
<servlet>
  <servlet-name>Status
Servlet</servlet-name>

<servlet-class>org.jboss.web.tomcat.tc5.Stat
usServlet</servlet-class>
</servlet>

<servlet-mapping>
  <servlet-name>Status
Servlet</servlet-name>
  <url-pattern>/status</url-pattern>
</servlet-mapping>
```

Configuration instructions

By default, Jetty will be configured to:

- have a thread pool containing a minimum of 10 and a maximum of 250 threads
- a [SelectChannelConnector](#) on port 8080

This configuration is contained in the `META-INF/jboss-service.xml` file inside the sar.

In order to change the port, add other types of connectors- [SSL](#), [AJP13](#) - configure a [request log](#), or change the [thead pool](#), you need to un-pack the sar to a temporary directory, edit the `META-INF/jboss-service.xml` file, repack it and copy the modified sar to the JBoss deploy directory.

Enabling Statistics

Edit the `META-INF/jboss-service.xml` file from the sar (you'll need to unpack it first). Uncomment the following lines:

```

<!-- Uncomment for statistics
    <New id="StatsHandler"
class="org.mortbay.jetty.handler.StatisticsH
andler">
    <Set name="handlers">
-->

<!-- Uncomment for statistics
    </Set>
</New>
-->

```

Now re-jar the modified sar. You can use the StatisticsHandlerMBean to retrieve the statistics using the JMX console.

- ✓ Using jetty-7 there is an org.eclipse.jetty.servlet.StatisticsServlet that you can configure in the jboss management webapps instead of the Tomcat org.jboss.web.tomcat.service.StatusServlet servlet.

Configuration note about Jetty-SAR and Struts Tiles usage

If you are using Struts Tiles for your web-application, you should probably edit `webdefault.xml` in the SAR and change `dirAllowed` to `false`. If you do not, when you try to insert a tile value (or override one) with an empty value, then Jetty will supply a directory listing for that tile.

Versions Matrix

Version compatibility matrix:

Jetty Version	JBoss Version	JVM Version	Status
6.1.0	4.0.5.GA	JDK 1.4	✓
6.1.1	4.0.5.GA	JDK 1.4	✓
6.1.2	4.0.5.GA	JDK 1.4	✓

6.1.3	4.0.5.GA	JDK 1.4	✓
6.1.4	4.0.5.GA	JDK 1.4	✓
6.1.5	4.0.5.GA	JDK 1.4	✓
6.1.6	4.0.5.GA	JDK 1.4	✓
6.1.6	4.2.0.GA	JDK 1.5	✓
6.1.8	4.0.5.GA	JDK 1.5	✓
6.1.12rc2	4.2.3 GA	JDK 1.5	✓
6.1.17	4.0.5.GA	JDK 1.5	✓
6.1.18	4.0.5.GA	JDK 1.5	✓
6.1.21	4.2.3.GA	JDK1.5	✓